

X: 50.0000 MSec., 387 PimLocs, Ranges: DAC (86,5012), Volts (0.0131, 0.7648), Amps (0.6561, 38.2397)
101

Y: 50.0000 MSec., 369 PimLocs, Ranges: DAC (-4774, 80), Volts (-0.7285, 0.0122), Amps (-36.4238, 0.6104)

102

Z: 50.0000 MSec., 401 PimLocs, Ranges: DAC (-5542, 6585), Volts (-0.8457, 1.0048), Amps (-42.2834, 50.2411)

103

Sh1: 50.0000 MSec., 200 PimLocs, Ranges: DAC (-380, 1842), Volts (-0.9282, 4.4993), Amps (0.0000, 0.0000)

104

105

90

180

FIG. 1a (PRIOR ART)

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X: 56.0000 MSec., 424 PinLocs, Ranges: DAC (86, 11824), Volts (0.0131, 1.8043), Amps (0.6561, 90.2127)

106

Y: 56.0000 MSec., 1PinLocs, Ranges: DAC (80, 80), Volts (0.0122, 0.0122), Amps (0.6104, 0.6104)

107

Z: 56.0000 MSec., 869 PinLocs, Ranges: DAC (-11192, 7855), Volts (-1.7078, 1.1986), Amps (-85.3908, 59.9307)

108

Sh1: 56.0000 MSec., 1165 PinLocs, Ranges: DAC (-386, 1842), Volts (-0.9282, 4.4993), Amps (0.000, 0.000)

109
110
111
112

FIG. 1b (PRIOR ART)

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Jan-18-05 4:22PM;

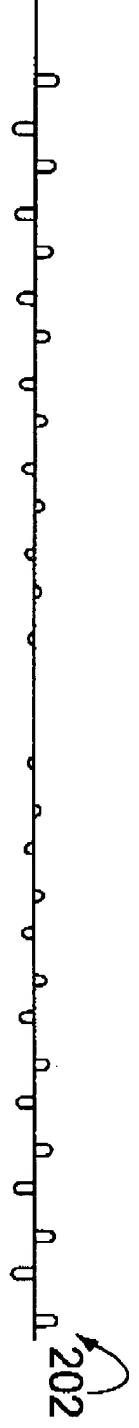
Sent By: IP Strategies, P.C.;

703 248 9244;

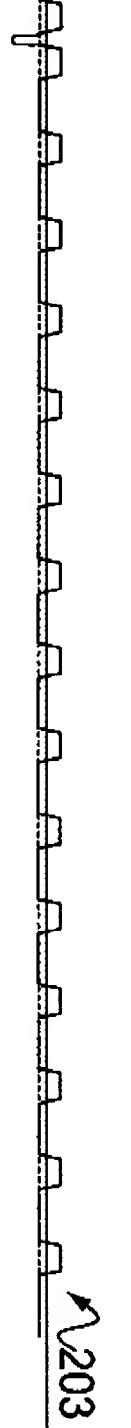
X: 315.0080 MSec., 3123 PimLocs, Ranges: DAC (-86, 9293), Volts (0.0131, 1.4180), Amps (0.6561, 70.9021) 201



Y: 315.0000 MSec., 5514 PimLocs, Ranges: DAC (-6658, 6818), Volts (-1.0160, 1.0404), Amps (-50.7981, 52.0188)



Z: 315.0000 MSec., 2471 PimLocs, Ranges: DAC (-8589, 6585), Volts (-1.3106, 1.0048), Amps (-65.5309, 50.2411)



Sh1: 315.0080 MSec., 4559 PimLocs, Ranges: DAC (-355, 1719), Volts (-0.8671, 4.1988), Amps (0.0000, 0.0000)

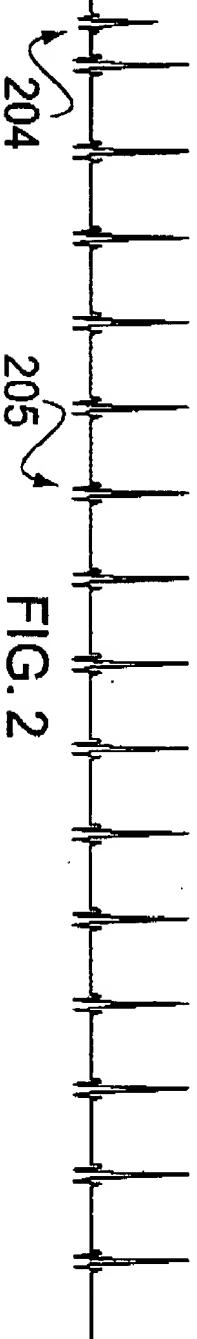


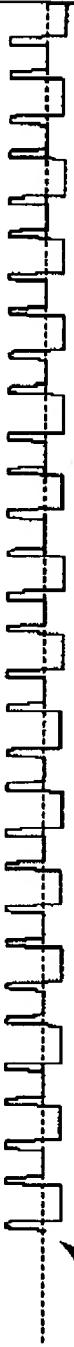
FIG. 2

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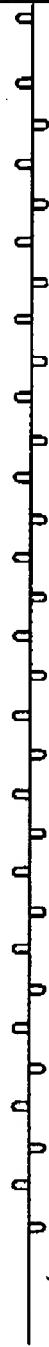
X: 392.0000 MSec, 3758 PimLocs, Ranges: DAC (-12796, 5955), Volts (-1.9526, 0.9087), Amps (-97.6287, 45.4344)

301



Y: 392.0000 MSec., 5590 PimLocs, Ranges: DAC (-5542, 5702), Volts (-0.8457, 0.8701), Amps (-42.2834, 43.5041)

302

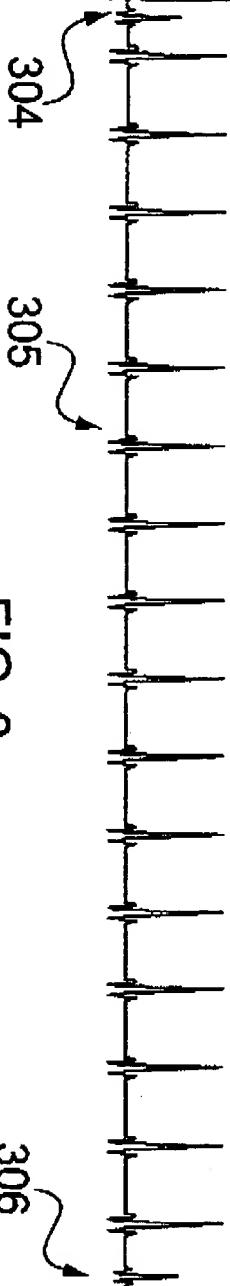


Z: 392.0000 MSec., 3473 PimLocs, Ranges: DAC (-11192, 7855), Volts (-1.7078, 1.1986), Amps (-85.3908, 59.9307)

303



Sh1: 392.0000 MSec., 5253 PimLocs, Ranges: DAC (-380, 1842), Volts (-0.9282, 4.4993), Amps (0.0000, 0.0000)



304

305

FIG. 3



306